

Title (en)

Low profile pneumatic retractor clamp

Title (de)

Einschiebare pneumatische Flachprofilspannvorrichtung

Title (fr)

Dispositif pneumatique de bridage rétractable à profil bas

Publication

EP 0937538 A1 19990825 (EN)

Application

EP 98301256 A 19980218

Priority

EP 98301256 A 19980218

Abstract (en)

A low profile fixture clamp (10) which provides a clamping force in two perpendicular directions through the motion of a pneumatic cylinder (20) in a single plane. The principle component of the clamping force is a horizontal force in-line with the force generated by the pneumatic air cylinder. An additionally vertical downward clamping force is also generated. <IMAGE>

IPC 1-7

B23Q 3/06; **B25B 5/06**

IPC 8 full level

B25B 5/06 (2006.01); **B25B 5/08** (2006.01)

CPC (source: EP)

B25B 5/064 (2013.01); **B25B 5/087** (2013.01)

Citation (search report)

- [Y] US 4494739 A 19850122 - VALENTINE AL L [US]
- [Y] EP 0213400 A2 19870311 - HONSBERG GMBH GEB [DE]
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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0937538 A1 19990825; **EP 0937538 B1 20030618**; DE 69815653 D1 20030724; DE 69815653 T2 20040603

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